Weather Event Simulator
Case Simulation Guide

Originating office	:	WFO Norman
Date of case:	:	11 April 2001
Contacts	:	David.Andra@noaa.gov; Bernard.Meisner@noaa.gov
Weather event	:	Embedded tornadic supercells.
Learning objectives	:	Identification of atypical tornadic storms in a high shear environment.
		Proper use of WARNGEN for rapidly moving tornadic storms.
Available data	:	WSR-88D data for KTLX (0600-1200 UTC), KVNX (0500-0900 UTC), KICT (0500-0900UTC), KDDC (2300-0900 UTC) and KAMA (0000-0600 UTC)
	:	All AWIPS model guidance fields.
	:	All AWIPS satellite imagery (Regional scale).
	:	All AWIPS point, upper air and lightning data.
	:	No redbook graphics or LAMP files
Time period	:	0600-1100 UTC April 11, 2001; previous evening's data (00-06Z) included for storm's in Texas and Oklahoma panhandles and southwest KS, though not the main focus of this simulation.
Type of simulation	:	Displaced real time, interval, or virtual reality
Completion time	:	One to five hours.
Additional materials	:	Paper copy of technical paper for use as a Simulation Guide. Storm Data (StormData.pdf), track map (track_map.gif), damage survey (DamageSurvey.pdf) provided in electronic format in the "DOCS" subdirectory on the DVD-ROM.
Installation	:	Use the CaseInstaller.tcl script to install the case specifying one (1) DVD, the appropriate directory (e.g., /data/awips) on the appropriate hard drive (e.g., /dev/sdb1). The case directory will be called 2001Apr11.
Special Instructions	:	This case includes localizations for WES versions 1.0, 1.1, 1.2 and 1.3. Please "cd" to the 2001Apr11/localizationDataSets subdirectory and extract (zcat | tar -xvf -) the appropriate localization for your version of the WES software.
	:	You must convert the case data to the DRT format before starting the displaced real time or virtual reality simulations.
	:	Note: This case was constructed from an original WES case used in Central Region and by converting archive IV disks for KTLX radar data.